2 minute animation on what the data mean

Heart parents and other groups who helped to develop this website found this 2 minute animation helpful for interpreting the data.

1. How do we report what happened at a hospital?

Over a 3 year period, we the hospital's survival rate. This is the proportion of children treated at the hospital who survived to at least 30 days after their surgery.

1. As some hospitals will treat children with more complex medical problems than other hospitals…
2. …we would not expect all hospitals to have the same survival rate
3. So it doesn’t make sense to simply compare one hospital’s survival rate to another’s.
4. Instead, we use a statistical formula to calculate **the predicted range of survival** for the children that hospital has treated. This depends **only** on the complexity of the medical problems of those children
5. We then compare a hospital’s survival rate to its predicted range
6. How do we interpret this comparison?
7. If the survival rate lies in the dark blue area (the predicted range), then there is **no** evidence that the chances of survival of children at that hospital are different from what is predicted.
8. If the survival rate turns out to lie in the light blue area (the extended predicted range), this means there is **some**evidence that the chances of survival at that hospital are different from that predicted by the formula.
9. If the survival rate turns out to lie outside either blue area, this means that there is **strong** evidence that the chances of survival at that hospital are different from that predicted by the formula.
10. If there is **some**, or **strong**, evidence that chances of survival at a hospital are **lower** than predicted… …
11. …then the audit body, the relevant national health service and the hospital all work together to check the data and take any appropriate actions.
12. For more information on this and other things covered in this website, explore our “Everything else” section.
13. Which includes our animation “How is the predicted range calculated?” if you want to learn more about the technical details
14. Now click on “Map” or “List” to explore a hospital’s recent results